Army Component Meeting

DOD EM DQ Workshop

April 1, 2009

San Antonio, TX

Army Component Meeting Agenda

- HQUSACE Update
  - Technical Competency and Capability Evaluation
  - Other
- USACE Chemistry Community-of-Practice
- EDQW policy/guidance for Army Implementation
- USACE Guidance Update – FY09/10
- EDM/SEDD Implementation Status
- UFP QAPP Training & Implementation
- USACE Implementation DOD ELAP

USACE Chemist Community-of-Practice

- Background
  - HTRW Design Center Minimum Staffing Model
  - USACE Division Lab Closures
  - HTRW and MC – resource integration
  - USACE Chemist Meetings (now DOD EM DQ)
  - E-mail Distribution list(s) and Groove Workspace
- Refresh – RSST and CRAG examples
- Action Items (eg POCs for CDQM guidance)

EDQW Policy/Guidance for Army Implementation

- DOD Instruction – 4715.15 – Environmental Quality Systems – 12/06
  - DOD Quality Systems Manual – Goodman letter
  - UFP QS and QAPP - 2005
- DOD Policy and Guidelines for Acquisitions Involving Environmental Sampling or Testing – 12/07 (“Procurement Policy”)
- DOD ELAP (DOD QSM V4) – 3/09
- Misc – Perchlorate Handbook, 8330B whitepaper, Detection/Quantitation Fact Sheet

USACE Guidance Update

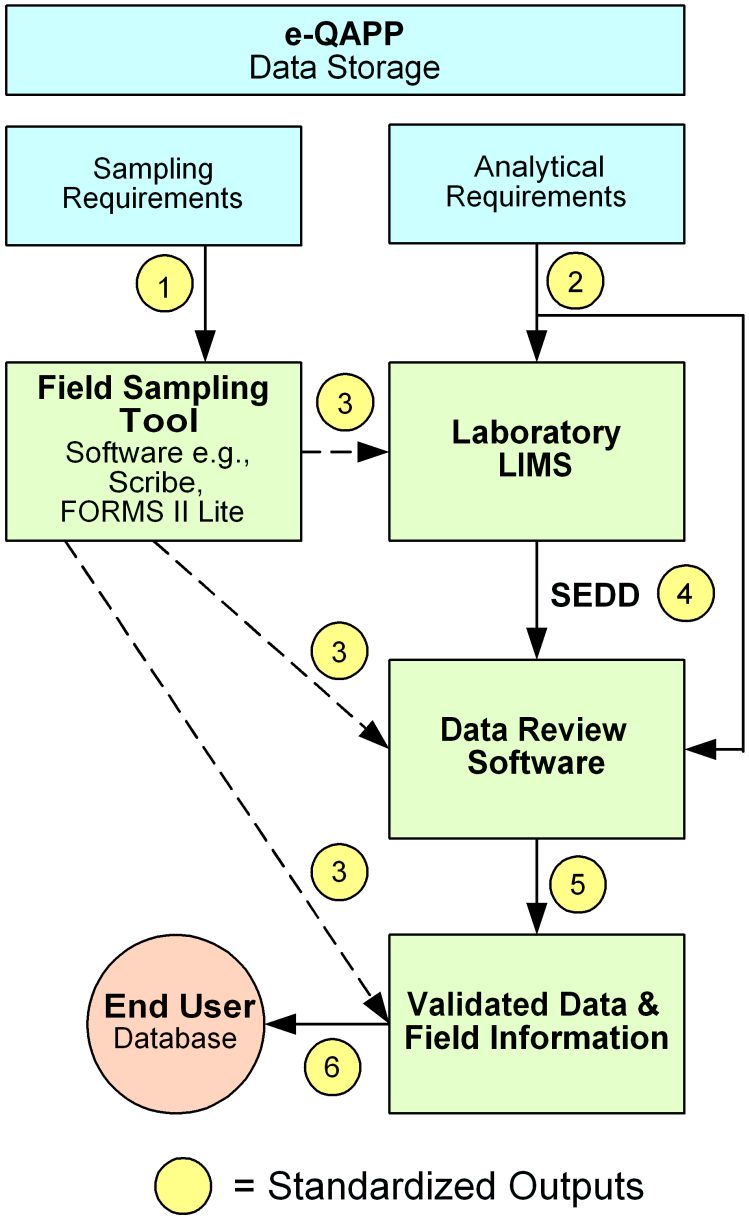
- CDQM Guidance
  - ER 1110-1-263
  - CEGS 01450
  - EM 200-1-1
  - EM 200-1-6
  - Recission EM 200-1-3

  Other:
  - Technical Project Planning - EM 200-1-2
  - Risk Assessment Handbook, Vol.2: Environmental Evaluation – EM 200-1-4
  - CSMs for OE and HTRW – EM 1110-1-1200
  - Ionizing Radiation Protection (ER & EM 385-1-80)

Electronic Data Management for Environmental Lab Results -current status-

- Background
  - SEDD as lab data transfer “standard” for USACE
  - FUDS SEDD Policy
  - Electronic Data Review
  - Data Archival
  - FUDS Chemical Results Database initiative
- Current Status by District - survey

Data Flow
Analytical & Sampling Requirements
Version 02



UFP QAPP Implementation & Training

- Army-wide implementation status – update
- Impracticalities/Inconsistencies
- EPA SF – Quality Requirements
- Training
  - FY 09 opportunity
  - Training Content Update

DOD Environmental Laboratory Accreditation Program -Principle Elements-

- Policy – DOD Letter 12/24/08
- DOD approved ABs Assess DOD QSM V4
- Effective 10/1/09 with grandfathering
- DOD EDQW oversight role (resolve QSM interpretation issues)
- PT Component
- DENIX Listing of Accredited Labs
- DOD ELAP Scope – mandatory for restoration program, applies to all labs regardless of:
  - Size
  - Volume of business
  - Fields of accreditation
  - Public/private
  - Mobile/fixed (all definitive data)
  - CONUS (no OCONUS)

DoD Environmental Laboratory Accreditation Program (DoD ELAP)

- Laboratories must demonstrate compliance with the DoD QSM
- 3rd party Accreditation Bodies
- Projects in support of environmental restoration programs
- Applies to all laboratories, including permanent, temporary, or mobile facilities, that generate *definitive data*
- If DoD ELAP accredited laboratory-testing services are not readily available
  - e.g., highly specialized testing, rare or unusual analytes
  - consult DoD Environmental Quality Workgroup (EDQW) Component Principal

DoD QSM version 4

- Gray boxes
- Appendix F Methods
  - GC and HPLC
    - EPA 8011, 8015, 8021, 8070, 8081, 8082, 8121, 8141, 8151, 8310, 8330, 8330A
  - Explosives by EPA 8330B
  - GC/MS
    - EPA 8260, 8270
  - Dioxin/Furans
    - EPA 8280, 8290
  - Metals
    - EPA 6010, 7000, 6020
  - Hexavalent chromium by EPA 7196
  - Cyanide
    - EPA 9010, 9012, 9014
  - Anions by EPA 9056
  - Perchlorate
    - EPA 6850, 6860

Methods not in DoD QSM

- Other SW-846 methods
  - EXP by EPA 8095
  - EXP by EPA modified 8321A (LC/MS)
  - NG by EPA 8332
  - WP by 7580
- Other chemical methods
  - EPA methods (Office of Water methods)
  - Standard methods
  - Others
- Air methods
- Radiological methods
- Chemical Warfare Materiel (CWM)

Other Parameters

- Multi-increment sampling for parameters other than explosives (EPA 8330B)

DOD ELAP
Impacts/Issues for USACE
Based on AB Meeting

- Grandfathering (DOD V3 vs V4) (e.g. current status district implementation 2004 QSM policy)
- Project-specific evaluations
- Methods not addressed in QSM V4 appendices
- Detailed SW-846 Method References (eg 8270B vs 8270C)
- QAPP spec changes for new detection & quantitation requirements – QSM V4
- Discussion other

Other Agenda Items